

**METHOD FOR DIAGNOSING INCORRECT VALVE LIFT ADJUSTMENT IN  
AN INTERNAL COMBUSTION ENGINE**

Abstract

- 5 If, when a valve lift adjustment is triggered in an inlet  
valve of an internal combustion engine, no valve lift  
adjustment actually takes place due to a defect in the  
adjustment mechanism, the air/fuel ratio ( $\lambda$ ) or even  
a different operating parameter for example the engine  
10 speed and torque changes in an unintended manner. By  
monitoring this operating parameter the operation control  
device can deduce a defect in the adjustment mechanism.